



[4910-13-P]

**DEPARTMENT OF TRANSPORTATION**

**Federal Aviation Administration**

**14 CFR Part 39**

**[Docket No. FAA-2017-0698; Directorate Identifier 2017-NM-047-AD]**

**RIN 2120-AA64**

**Airworthiness Directives; The Boeing Company Airplanes**

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Notice of proposed rulemaking (NPRM).

**SUMMARY:** We propose to supersede Airworthiness Directive (AD) 2017-02-03, which applies to certain The Boeing Company Model 767-200, -300, and -400ER series airplanes. AD 2017-02-03 requires inspection of the plastic potable water coupling, and corrective actions if necessary; installation of new spray shrouds; and inspection of previously installed spray shields, and related investigative and corrective actions if necessary. Since we issued AD 2017-02-03, we have determined that it is necessary to modify a hose assembly installation for certain airplanes, and add airplanes to the applicability. This proposed AD would add airplanes to the applicability and, for certain airplanes, require hose assembly removals and installations. We are proposing this AD to address the unsafe condition on these products.

**DATES:** We must receive comments on this proposed AD by [INSERT DATE 45 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

**ADDRESSES:** You may send comments, using the procedures found in 14 CFR 11.43 and 11.45, by any of the following methods:

- Federal eRulemaking Portal: Go to <http://www.regulations.gov>. Follow the instructions for submitting comments.
- Fax: 202-493-2251.

- Mail: U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC 20590.

- Hand Delivery: Deliver to Mail address above between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

For service information identified in this NPRM, contact Boeing Commercial Airplanes, Attention: Contractual & Data Services (C&DS), 2600 Westminister Blvd., MC 110-SK57, Seal Beach, CA 90740-5600; telephone 562-797-1717; Internet <https://www.myboeingfleet.com>. You may view this referenced service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221. It is also available on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2017-0698.

### **Examining the AD Docket**

You may examine the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2017-0698; or in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this proposed AD, the regulatory evaluation, any comments received, and other information. The street address for the Docket Office (phone: 800-647-5527) is in the ADDRESSES section. Comments will be available in the AD docket shortly after receipt.

**FOR FURTHER INFORMATION CONTACT:** Stanley Chen, Aerospace Engineer, Cabin Safety and Environmental Systems Branch, ANM-150S, FAA, Seattle Aircraft Certification Office (ACO), 1601 Lind Avenue SW., Renton, WA 98057-3356; phone: 425-917-6585; fax: 425-917-6590; email: [stanley.chen@faa.gov](mailto:stanley.chen@faa.gov).

## **SUPPLEMENTARY INFORMATION:**

### **Comments Invited**

We invite you to send any written relevant data, views, or arguments about this proposal. Send your comments to an address listed under the ADDRESSES section. Include “Docket No. FAA-2017-0698; Directorate Identifier 2017-NM-047-AD” at the beginning of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of this proposed AD. We will consider all comments received by the closing date and may amend this proposed AD because of those comments.

We will post all comments we receive, without change, to <http://www.regulations.gov>, including any personal information you provide. We will also post a report summarizing each substantive verbal contact we receive about this proposed AD.

### **Discussion**

On January 11, 2017, we issued AD 2017-02-03, Amendment 39-18782 (82 FR 10541, February 14, 2017) (“AD 2017-02-03”), for certain The Boeing Company Model 767-200, -300, and -400ER series airplanes. AD 2017-02-03 requires inspection of the plastic potable water couplings, corrective actions if necessary, and installation of new spray shrouds. It also requires inspection of the prior installed spray shield to determine it has two slits and is installed correctly, and related investigative and corrective actions if necessary. AD 2017-02-03 resulted from a report of a malfunction of the engine indication and crew alerting system (EICAS) during flight. We issued AD 2017-02-03 to prevent an uncontrolled water leak from a defective potable water system coupling, which could cause the main equipment center (MEC) line replaceable units (LRUs) to become wet, resulting in an electrical short and potential loss of several functions essential for safe flight.

### **Actions Since AD 2017-02-03 Was Issued**

Since we issued AD 2017-02-03, we have determined that additional airplanes are subject to the unsafe condition and therefore it is necessary to add airplanes to the applicability. We have also determined that the service information specified in AD 2017-02-03 does not adequately address the identified unsafe condition for certain airplanes; therefore, we find it necessary to require, for certain airplanes, removing three hose assemblies and installing four new hose assemblies.

### **Related Service Information under 1 CFR part 51**

We reviewed Boeing Alert Service Bulletin 767-38A0073, Revision 3, dated September 8, 2016 (“Boeing Alert Service Bulletin 767-38A0073, R3”). The service information describes procedures for, among other actions, removing three hose assemblies and installing four new hose assemblies. This service information is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the ADDRESSES section.

### **FAA’s Determination**

We are proposing this AD because we evaluated all the relevant information and determined the unsafe condition described previously is likely to exist or develop in other products of the same type designs.

### **Proposed AD Requirements**

This proposed AD would retain certain requirements of AD 2017-02-03. Although this proposed AD does not explicitly restate the actions in Boeing Alert Service Bulletin 767-38A0073, Revision 2, dated August 10, 2015, that are part of the requirements of AD 2017-02-03, this proposed AD would retain certain requirements. Those requirements are referenced in Boeing Alert Service Bulletin 767-38A0073, R3, which, in turn, is referenced in paragraph (g) of this proposed AD. Paragraph (g) of this proposed AD would require accomplishment of the actions identified as “RC” (required

for compliance) in the Accomplishment Instructions of Boeing Alert Service Bulletin 767-38A0073, R3. This proposed AD would also add airplanes to the applicability. For information on the procedures and compliance times, see this service information at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2017-0698.

### **Costs of Compliance**

We estimate that this proposed AD affects 139 airplanes of U.S. registry. We estimate the following costs to comply with this proposed AD:

#### **Estimated costs for required actions**

<b>Action</b>	<b>Labor cost</b>	<b>Parts cost</b>	<b>Cost per product</b>	<b>Cost on U.S. operators</b>
Inspections (retained actions from AD 2017-02-03) (129 airplanes)	Up to 10 work-hours X \$85 per hour = \$850	\$0	\$850	\$109,650
Installation (retained actions from AD 2017-02-03) (129 airplanes)	3 work-hours X \$85 per hour = \$255	\$330	\$585	\$75,465
Inspections (new proposed action) (10 airplanes)	Up to 10 work-hours X \$85 per hour = \$850	\$0	\$850	\$8,500
Installation (new proposed actions) (15 airplanes)	3 work-hours X \$85 per hour = \$255	\$330	\$585	\$8,775

We estimate the following costs to do any necessary on-condition actions that would be required based on the results of the inspection. We have no way of determining the number of aircraft that might need these actions:

### Estimated cost for on-condition actions

Labor cost	Parts cost	Cost per product
Up to 4 work-hours X \$85 per hour = \$340	\$53	Up to \$393

According to the manufacturer, some of the costs of this proposed AD may be covered under warranty, thereby reducing the cost impact on affected individuals. We do not control warranty coverage for affected individuals. As a result, we have included all costs in our cost estimate.

### Authority for this Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, Section 106, describes the authority of the FAA Administrator. Subtitle VII, Aviation Programs, describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701, "General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

### Regulatory Findings

We have determined that this proposed AD would not have federalism implications under Executive Order 13132. This proposed AD would not have a substantial direct effect on the States, on the relationship between the national Government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that the proposed regulation:

- (1) Is not a “significant regulatory action” under Executive Order 12866,
- (2) Is not a “significant rule” under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979),
- (3) Will not affect intrastate aviation in Alaska, and
- (4) Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

**List of Subjects in 14 CFR Part 39**

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

**The Proposed Amendment**

Accordingly, under the authority delegated to me by the Administrator, the FAA proposes to amend 14 CFR part 39 as follows:

**PART 39 - AIRWORTHINESS DIRECTIVES**

- 1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

**§ 39.13 [Amended]**

- 2. The FAA amends § 39.13 by removing Airworthiness Directive (AD) 2017-02-03, Amendment 39-18782 (82 FR 10541, February 14, 2017), and adding the following new AD:

**The Boeing Company:** Docket No. FAA-2017-0698; Directorate Identifier 2017-NM-047-AD.

**(a) Comments Due Date**

The FAA must receive comments on this AD action by [INSERT DATE 45 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

**(b) Affected ADs**

This AD replaces AD 2017-02-03, Amendment 39-18782 (82 FR 10541, February 14, 2017) (“AD 2017-02-03”).

**(c) Applicability**

This AD applies to The Boeing Company Model 767-200, -300, and -400ER series airplanes, certificated in any category, as identified in Boeing Alert Service Bulletin 767-38A0073, Revision 3, dated September 8, 2016 (“Boeing Alert Service Bulletin 767-38A0073, R3”).

**(d) Subject**

Air Transport Association (ATA) of America Code 38, Water/waste.

**(e) Unsafe Condition**

This AD was prompted by a report of a malfunction of the engine indication and crew alerting system (EICAS) during flight. We are issuing this AD to prevent an uncontrolled water leak from a defective potable water system coupling, which could cause the main equipment center (MEC) line replaceable units (LRUs) to become wet, resulting in an electrical short and potential loss of several functions essential for safe flight.

**(f) Compliance**

Comply with this AD within the compliance times specified, unless already done.

**(g) Inspection of Couplings and Installation of Spray Shrouds**

Except as required by paragraph (h) of this AD: At the applicable times specified in paragraph 1.E., “Compliance,” of Boeing Alert Service Bulletin 767-38A0073, R3, do all applicable actions identified as “RC” (required for compliance) in, and in accordance with, the Accomplishment Instructions of Boeing Alert Service Bulletin 767-38A0073, R3.



Note 1 to paragraph (g) of this AD: Operators can take optional protective measures to cover or shield their equipment against water spray when performing the Potable Water System Leakage Test, as specified in Boeing Alert Service Bulletin 767-38A0073, R3.

**(h) Exceptions to the Service Information**

(1) Where Boeing Alert Service Bulletin 767-38A0073, R3, uses the phrase “after the original issue date of this service bulletin,” for purposes of determining compliance with the requirements of this AD, March 16, 2017 (the effective date of AD 2017-02-03) must be used.

(2) Where Boeing Alert Service Bulletin 767-38A0073, R3, uses the phrase “after the Revision 2 date of this service bulletin,” for purposes of determining compliance with the requirements of this AD, March 16, 2017 (the effective date of AD 2017-02-03) must be used.

(3) Where Boeing Alert Service Bulletin 767-38A0073, R3, specifies a compliance time “after the Revision 3 date of this service bulletin,” for purposes of determining compliance with the requirements of this AD, the phrase “after the effective date of this AD” must be used.

**(i) Credit for Previous Actions**

(1) For airplanes in Groups 4 through 8, 10, 12, and 13, as identified in Boeing Alert Service Bulletin 767-38A0073, R3: This paragraph provides credit for the actions specified in paragraph (g) of this AD, if those actions were performed before the effective date of this AD using Boeing Alert Service Bulletin 767-38A0073, dated November 12, 2013; Boeing Service Bulletin 767-38A0073, Revision 1, dated November 5, 2014; or Boeing Alert Service Bulletin 767-38A0073, Revision 2, dated August 10, 2015.

(2) For airplanes in Groups 1 through 3, and Group 9, Configuration 2, as identified in Boeing Alert Service Bulletin 767-38A0073, R3: This paragraph provides

credit for the actions specified in paragraph (g) of this AD, if those actions were performed before the effective date of this AD using Boeing Alert Service Bulletin 767-38A0073, Revision 2, dated August 10, 2015.

**(j) Parts Installation Prohibition**

As of the effective date of this AD, no person may install any plastic potable water coupling having part number (P/N) CA620 series or P/N CA625 series on any airplane.

**(k) Alternative Methods of Compliance (AMOCs)**

(1) The Manager, Seattle Aircraft Certification Office (ACO), FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the manager of the ACO, send it to the attention of the person identified in paragraph (l)(1) of this AD. Information may be emailed to: 9-ANM-Seattle-ACO-AMOC-Requests@faa.gov.

(2) Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(3) An AMOC that provides an acceptable level of safety may be used for any repair, modification, or alteration required by this AD if it is approved by the Boeing Commercial Airplanes Organization Designation Authorization (ODA) that has been authorized by the Manager, Seattle ACO, to make those findings. To be approved, the repair method, modification deviation, or alteration deviation must meet the certification basis of the airplane, and the approval must specifically refer to this AD.

(4) For service information that contains steps that are labeled as Required for Compliance (RC), the provisions of paragraphs (k)(4)(i) and (k)(4)(ii) of this AD apply.

(i) The steps labeled as RC, including substeps under an RC step and any figures identified in an RC step, must be done to comply with the AD. If a step or substep is labeled “RC Exempt,” then the RC requirement is removed from that step or substep. An AMOC is required for any deviations to RC steps, including substeps and identified figures.

(ii) Steps not labeled as RC may be deviated from using accepted methods in accordance with the operator’s maintenance or inspection program without obtaining approval of an AMOC, provided the RC steps, including substeps and identified figures, can still be done as specified, and the airplane can be put back in an airworthy condition.

**(I) Related Information**

(1) For more information about this AD, contact Stanley Chen, Aerospace Engineer, Cabin Safety and Environmental Systems Branch, ANM-150S, FAA, Seattle ACO, 1601 Lind Avenue SW., Renton, WA 98057-3356; phone: 425-917-6585; fax: 425-917-6590; email: stanley.chen@faa.gov.

(2) For service information identified in this AD, contact Boeing Commercial Airplanes, Attention: Contractual & Data Services (C&DS), 2600 Westminister Blvd., MC 110-SK57, Seal Beach, CA 90740-5600; telephone 562-797-1717; Internet <https://www.myboeingfleet.com>. You may view this referenced service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

Issued in Renton, Washington, on July 12, 2017.

Dionne Palermo,  
Acting Manager,  
Transport Airplane Directorate,  
Aircraft Certification Service.

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